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PATENT OFFICE

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<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <h3 style="margin: 0;">for FY 2002</h3> <p style="margin: 5px 0;"><i>Patent fees are subject to annual revision.</i></p>		<p>Complete if Known</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>08/468,011</td> </tr> <tr> <td>Filing Date</td> <td>June 6, 1995</td> </tr> <tr> <td>First Named Inventor</td> <td>Soppet et al.</td> </tr> <tr> <td>Examiner Name</td> <td>S. Teng.</td> </tr> <tr> <td>Group Art Unit</td> <td>1046</td> </tr> </table>		Application Number	08/468,011	Filing Date	June 6, 1995	First Named Inventor	Soppet et al.	Examiner Name	S. Teng.	Group Art Unit	1046
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Total amount of payment	\$100.00	Attorney Docket Number	PF201										

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																																																																																																																		
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number 08-3425</p> <p>Deposit Account Name Human Genome Sciences, Inc.</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</p> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other*</p>	<p>3. ADDITIONAL FEES</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity Fee (\$)</th> <th>Fee Code</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of appeal</td><td></td></tr> <tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use hearing</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - una</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td>145</td><td>100</td><td>145</td><td>100</td><td>Certificate of correction</td><td></td></tr> <tr><td>148</td><td>110</td><td>248</td><td>55</td><td>Statutory disclaimer</td><td></td></tr> <tr><td>561</td><td>3</td><td>561</td><td>3</td><td>Printed copy of patent, regular service</td><td></td></tr> <tr> <td colspan="4">Other fee (specify): Request for Certificate of Correction Pursuant to 37 C.F.R. § 1.323</td> <td></td> <td style="text-align: center; vertical-align: bottom;">\$100.00</td> </tr> <tr> <td colspan="4">Other fee (specify):</td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">SubTOTAL (3)</td> <td colspan="2" style="text-align: center; border: 1px solid black;">\$100.00</td> </tr> </tbody></table>	Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	400	216	200	Extension for reply within second month		117	920	217	460	Extension for reply within third month		118	1,440	218	720	Extension for reply within fourth month		128	1,960	228	980	Extension for reply within fifth month		119	320	219	160	Notice of appeal		120	320	220	160	Filing a brief in support of an appeal		121	280	221	140	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use hearing		140	110	240	55	Petition to revive - una		141	1,280	241	640	Petition to revive - unintentional		142	1,280	242	640	Utility issue fee (or reissue)		143	460	243	230	Design issue fee		144	620	244	310	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	180	126	180	Submission of Information Disclosure Statement		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))		149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))		179	740	279	370	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		145	100	145	100	Certificate of correction		148	110	248	55	Statutory disclaimer		561	3	561	3	Printed copy of patent, regular service		Other fee (specify): Request for Certificate of Correction Pursuant to 37 C.F.R. § 1.323					\$100.00	Other fee (specify):						SubTOTAL (3)				\$100.00	
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CERTIFICATE
 APR 15 2002
 OF CORRECTION

Submitted By		Complete (if applicable)	
Name (Print/Type)	Janet M. Martineau	Registration No.:	46,903
Signature:			Telephone
			(301) 315-2723
		Date:	April 9, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of: Soppet, et al.

Attorney Docket No.: PF201

Patent No.: 6,030,804

Issued: February 29, 2000

Title: Polynucleotides Encoding G-Protein Parathyroid

Hormone Receptor HLTDG74 Polypeptides



REQUEST FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 C.F.R. § 1.323

Attn: Certificate of Correction Branch

Commissioner for Patents
Washington, D.C. 20231

Sir:

Upon reviewing the above-identified patent, Patentees noted the following mistakes that should be corrected:

Face Page, under the heading "References Cited", and the subheading "OTHER PUBLICATIONS", please add the following references:

GenBank Accession No. U25128 (07-Jul-95)

GenBank Accession No. M74445 (27-May-92)

GeneSeq Accession No. R92276 (18-May-96)

GeneSeq Accession No. R92278 (18-May-96)

The cited references were inadvertently omitted from the face of the Patent due to clerical error. These references were brought to the attention of the Examiner in an Information Disclosure Statement and Form PTO-1449, filed on October 16, 1998, and acknowledged by the Examiner in the subsequent Notice of Allowance mailed on December 4, 1998, in the instant application. A copy of which is submitted herein.

Under [57], Abstract, line 9, please remove "PTH receptor receptor" and replace it with --PTH receptor--; and in line 11, please remove " PTH receptor receptor" and replace it with --PTH receptor--

01/10/2002 NROCH02 00000106 083425 6030804

01 FC:145 100.00 CH

The above mistakes appear to be in the application as filed or amended by Patentees. Accordingly, it is hereby requested that a Certificate of Correction under 37 C.F.R. § 1.323 be issued for the above-identified patent.

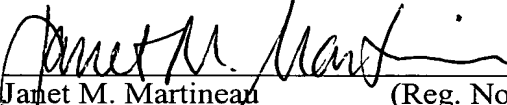
Patentees submit that the above mistakes occurred in good faith, and are either of a clerical or typographical nature, or of minor character. Patentees further submit that the requested corrections neither constitute new matter nor require reexamination.

Patentees hereby authorize the Commissioner to charge the required fee of \$100.00, and any other fee deemed necessary, to Deposit Account No. 08-3425, as itemized on the enclosed Fee Transmittal Sheet.

Submitted herewith are (a) a proposed Certificate of Correction (Form PTO/SB/44); and (b) a Fee Transmittal Sheet with appropriate fee (in duplicate). Patentees respectfully request the issuance of the Certificate of Correction.

Respectfully submitted,

Dated: April 9, 2002


Janet M. Martineau (Reg. No. 46,903)
Attorney for Applicants

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Telephone: (301) 315-2723

Enclosures

KKH/JMM/DS/mbp



US006030804A

United States Patent [19]

Soppet et.al.

[11] Patent Number: 6,030,804
[45] Date of Patent: *Feb. 29, 2000

[54] **POLYNUCLEOTIDES ENCODING G-PROTEIN PARATHYROID HORMONE RECEPTOR HLTGDG74 POLYPEPTIDES**

[75] Inventors: Daniel R. Soppet, Centreville, Va.; Yi Li, Gaithersburg, Md.; Craig A. Rosen, Laytonsville, Md.; Steven M. Ruben, Olney, Md.

[73] Assignee: Human Genome Sciences, Inc., Rockville, Md.

[*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

[21] Appl. No.: 08/468,011

[22] Filed: Jun. 6, 1995

[51] Int. Cl.⁷ C12N 15/12; C07K 14/705

[52] U.S. Cl. 435/69.1; 435/252.3; 435/254.11; 435/325; 435/320.1; 536/23.5; 536/24.31

[58] Field of Search 536/23.5, 24.31; 435/69.1, 325, 252.3, 254.11, 320.1

[56] References Cited

PUBLICATIONS

Proc. Natl. Acad. Sci., USA, vol. 87, pp. 3052-3056, (Apr. 1990).

Science, vol. 244, pp. 569-572, (May 5, 1989).

FEBS 08897, vol. 271, No. 1, 2, pp. 81-84, (Oct. 1990).

The Journal of Biological Chemistry, vol. 265, No. 16, pp. 9308-9313, (Jan. 25, 1990).

FEBS 09821, vol. 284, pp. 155-160, (Jun. 1991).

The Journal of Biological Chemistry, vol. 270, No. 26, pp. 15455-15458, (1995).

Primary Examiner—Sally P. Teng

Attorney, Agent, or Firm—A. Anders Brookes

[57]

ABSTRACT

Human G-protein parathyroid hormone (PTH) receptor polypeptides and DNA (RNA) encoding such polypeptides and a procedure for producing such polypeptides by recombinant techniques is disclosed. Also disclosed are methods for utilizing such polypeptides for identifying antagonists and agonists to such polypeptides and methods of using the agonists and antagonists therapeutically to treat conditions related to the underexpression and overexpression of the PTH receptor polypeptides. Also disclosed are diagnostic methods for detecting a mutation in the PTH receptor polypeptides. Also disclosed are methods for detecting a mutation in the PTH receptor nucleic acid sequences and detecting a level of the soluble form of the receptors in a sample derived from a host.

26 Claims, 10 Drawing Sheets

DELETE

GENBANK ACCESSION NO. U25128(07-JUL-95)
GENBANK ACCESSION NO. M74445(27-MAY-92)
GENSEQ ACCESSION NO. R92276 (18-MAY-96)
GENSEQ ACCESSION NO. R92278 (18-MAY-96)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,030,804
DATED : February 29, 2000
INVENTOR(S) : Daniel R. Soppet, Craig A. Rosen and Steven M. Ruben

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Item [56], **References Cited**, under OTHER PUBLICATIONS, please add the following references:

- -- GenBank Accession No. U25128 (07-Jul-95)
- GenBank Accession No. M74445 (27-May-92)
- GeneSeq Accession No. R92276 (18-May-96)
- GeneSeq Accession No. R92278 (18-May-96) --

Item [57], **ABSTRACT**,

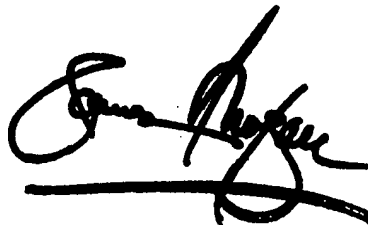
Line 9, please remove "PTH receptor receptor" and replace it with -- PTH receptor --; and

Line 11, please remove "PTH receptor receptor" and replace it with -- PTH receptor --

Signed and Sealed this

Twenty-seventh Day of August, 2002

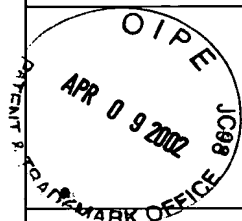
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CERTIFICATE OF CORRECTION**Patent No: **6,030,804**Issued Date: **February 29, 2000**Inventor(s): **Daniel R. Soppet, Craig A. Rosen,
and Steven M. Ruben.**

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~~Title~~ **Item (56)**
~~Face Page, under the heading "References Cited", and the subheading "OTHER PUBLICATIONS"~~, please add the following references:

GenBank Accession No. U25128 (07-Jul-95)

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~~Item~~
~~Under~~ [57], Abstract, line 9, please remove "PTH receptor receptor" and replace it with --PTH receptor--; and in line 11, please remove "PTH receptor receptor" and replace it with --PTH receptor--

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